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1966 JUL 27 18 22Z

FM NPIC

TO AFSSO ACIC

ZEM

TOP SECRET [REDACTED]

CITE NPIC 7897.

ATTN: [REDACTED]

SUBJECT: PRECISE MENSURATION REPORTS

REFERENCE: [REDACTED] VISIT TO NPIC AND SUBSEQUENT PHONE CONV.

1. NPIC IS PRODUCING A LARGE NUMBER OF "PRECISION TARGET PLOTS" FOR INCLUSION IN PI REPORTS, SEVERAL OF WHICH HAVE BEEN PUBLISHED. MEASUREMENTS ARE MADE WITH MANN COMPARATORS USING FINAL EPHEMERIS DATA TO ACHIEVE AS PRECISE DIMENSIONS AS POSSIBLE. MANUSCRIPT SCALE IS APPROX. 1 TO 1200 AND PUB. SCALE 1 TO 3000.

2. IN COMPARING NPIC DIMENSIONS WITH SEVERAL PMRS OF SAME AREA, VARIOUS DIFFERENCES WERE FOUND. THESE WERE SHOWN TO [REDACTED] EXAMPLES ARE:

| PMR 1080 | ITEM NO. | ACIC     | NPIC    |
|----------|----------|----------|---------|
|          | C        | 44 X 50  | 44 X 38 |
|          | G        | 938      | 1300    |
|          | H        | 1040     | 1325    |
| PMR 1063 | B        | 25 X 40  | 15 X 30 |
|          | C        | 35 X 95  | 20 X 70 |
|          | D        | 35 X 115 | 25 X 90 |

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| DISTRIBUTION |         |        |
|--------------|---------|--------|
| Cy No.       | Office  | Action |
| 12           | File    |        |
|              | OS      |        |
|              | ADMIN   | 25X1   |
|              | SEC BR  |        |
|              | P & DS  |        |
|              | CSD     |        |
|              | IPD     |        |
|              | PD      |        |
|              | PSD     |        |
|              | PSD-ICB |        |
| 3415         | TID     |        |
|              | IAD     |        |
|              | PAG     |        |
|              | DIAXX-4 |        |
|              | SPAD    |        |
|              | NSA-LC  | 25X1   |
|              | DIA-AP  |        |

Adv [REDACTED]  
Sanitized

Declassification Review by NGA/DoD

25X1

TOP SECRET

H        35 X 95   20 X 70  
J        35 X 95   20 X 70  
P        35 X 130 25 X 100

3. DIFFERENCES MAY STEM FROM METHOD OF DETERMINING PHOTO SCALE AND MEANS OF MEASURING. NPIC USES EPHEMERAL DATA AND POINT TO POINT DISTANCE MEASUREMENT TECHNIQUE WITH COMPUTER REDUCTION.

4. NPIC CAN PROVIDE ACIC WITH A COPY OF ITS PTPS AT MANUSCRIPT SCALE IF DESIRED.

5. WHILE NPIC WOULD LIKE TO RESOLVE BASIC REASON FOR DIFFERENCES IN MEASUREMENTS, A VISIT TO ACIC PER  SUGGESTION IS NOT CURRENTLY FEASIBLE.

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T O P S E C R E T

/END OF MESSAGE/